

CLAIMS

I/we claim:

1. An electric heating fumigator (100) comprising a base (9), a case cover (12) and a heater support (3) mounted on the base (9), a heater (1) being inserted into the heater support (3),
5 and heat-insulation layers (2, 5) attached to the heater support (3) so that at least one of them is located between the heater (1) and the heater support (3), wherein a bottom of the support (3) is fixed on the base (9) of the fumigator.

2. The electric heating fumigator (100) according to claim 1, wherein the heater support (3) has an inner heat-insulation layer (2) and an outer heat-insulation layer (5), the inner layer (2)
10 being located between the heater (1) and the heater support (3), and an upper portion of the heater support (3) contacting the case cover (12) via the outer layer (5).

3. The electric heating fumigator (100) according to claim 1, wherein the heater support (3) is hollow and holds a heat spreader (6), and an upper portion of the heater support (3) is provided with holes (7) towards the heater.

15 4. The electric heating fumigator (100) according to claim 1, wherein the heat-insulation layers (2, 5) comprise at least one material selected from the group consisting of polytetrafluoroethylene, silicone rubber, and ceramic, and the heater support (3) comprises metal.

5. The electric heating fumigator (100) according to claim 3, wherein the heat-insulation layers (2, 5) comprise at least one material selected from the group consisting of
20 polytetrafluoroethylene, silicone rubber, and ceramic, and the heater support (3) comprises metal..

6. The electric heating fumigator (100) according to claim 3, wherein the heater support (3) fixed on the base (9) divides the fumigator into two chambers, one chamber being a heat-insulation chamber equipped with a heat spreader, the inner heat-insulation layer (2), the heater (1), the heater support (3), and the outer heat-insulation layer (5), and the other chamber being a control chamber equipped with a circuit board (15), a transformer (16), a timer (14), a power supply wire (17) connected to the underside of the fumigator, in which a conductor of the heater is connected to the circuit board (15) through a conductor hole of the inner heat-insulation layer (2), a conductor of the fan is connected to the transformer (16), a power supply wire (17) and the timer (14) are directly connected to the circuit board (15), the circuit board (15) is fixed on the base (9) of the fumigator,
25 and a conductor of the transformer (16) is connected with the circuit board (15).
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7. The electric heating fumigator (100) according to claim 6, wherein an outside of the heat spreader is provided with a filter screen between the base (9) and the case cover (12).
 8. The electric heating fumigator (100) according to claim 7, wherein a housing (10) is connected with the case cover (12) and an upper cover (8) is mounted on the housing (10).
- 5 9. The electric heating fumigator (100) according to claim 1, wherein the heat-insulation layers (2,5) comprise multi-layer heat insulators.